

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	"6747165"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/12/26 12:35
L2	8	"6756411"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/12/26 11:43
L3	0	(hydrocracking AND hydroisomerizing AND branched AND paraffinic AND lighest).clm.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/12/26 12:37
L4	0	(hydrocracking AND hydroisomerizing AND branched AND paraffinic AND lighest).clm.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/12/26 12:37
L5	8	(hydrocracking AND hydroisomerizing AND branched AND paraffinic).clm.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/12/26 12:38
L6	4	(585/310,324,654,660,661).ccls. AND paraffin \$5isomerization AND \$3olefin\$4	US-PGPUB	ADJ	ON	2007/12/26 12:41
L7	0	(585/13).ccls. AND paraffin \$5isomerization AND \$3olefin\$4	US-PGPUB	ADJ	ON	2007/12/26 12:41
L8	18	(585/13).ccls.	US-PGPUB	ADJ	ON	2007/12/26 12:41
L9	40	(510/155 OR 558/41 OR 568/910.5 OR 562/32).ccls.	US-PGPUB	ADJ	ON	2007/12/26 13:23
L10	166	(585/310,324,654,660,661).ccls.	US-PGPUB	ADJ	ON	2007/12/26 14:14
S1	1706	(585/310,324,654,660,661).ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/26 14:14
S2	1022	S1 AND olefin\$2	US-PGPUB; USPAT	ADJ	ON	2007/03/28 16:51
S3	725	S2 AND paraffin\$4	US-PGPUB; USPAT	ADJ	ON	2007/03/28 16:52
S4	32	("3231621" "3239566" "3239569" "3253055" "3274287" "3315007" "3315008" "3427342" "3506580" "3524884" "3562797" "3579537" "3709817" "3711399" "3745112" "3755146" "4430517" "5012021" "5019662" "5112519" "5218086" "5510306" "5833839" "5849960" "5866748" "5906727" "5948719" "6013171" "6037506" "6111158" "6566565" "6765106").PN.	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:31
S9	523	S8 AND dehydrogenation	US-PGPUB; USPAT	ADJ	ON	2007/03/29 11:00
S10	1706	(585/310,324,654,660,661).ccls.	US-PGPUB; USPAT	ADJ	ON	2007/03/29 13:47

## EAST Search History

S14	481	S10 AND dehydrogenation AND olefin\$1 AND (\$6cracking OR \$6isomerizing)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 13:53
S15	96	S10 AND dehydrogenation AND olefin\$1 AND (\$6cracking OR \$6isomerizing) AND isoparaffin\$2	US-PGPUB; USPAT	ADJ	ON	2007/03/29 13:54
S16	96	S10 AND dehydrogenation AND olefin\$1 AND (\$6cracking OR \$6isomerizing) AND isoparaffin\$2 AND py<"2004"	US-PGPUB; USPAT	ADJ	ON	2007/03/29 14:06
S17	28	S10 AND dehydrogenation AND olefin\$1.ab. AND (\$6cracking OR \$6isomerizing) AND isoparaffin\$2	US-PGPUB; USPAT	ADJ	ON	2007/03/29 14:07
S18	1706	(585/310,324,654,660,661).ccls.	US-PGPUB; USPAT	ADJ	ON	2007/03/30 10:38
S20	111	S18 AND olefin\$2.ab. AND paraffin\$4.ab.	US-PGPUB; USPAT	ADJ	ON	2007/03/30 10:47
S21	22	S18 AND olefin\$2.ab. AND paraffin\$4.ab. and hydrocracking	US-PGPUB; USPAT	ADJ	ON	2007/03/30 10:47
S22	20	("3928483"   "4025575"   "4252479"   "4447669"   "4499314"   "4527001"   "4861938"   "4973792"   "5026935"   "5026936"   "5043522"   "5095163"   "5126308"   "5191141"   "5475183"   "5523502"   "5714662"   "5744680"   "5817906"   "5912393").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/30 13:01
S23	33	("5912393").URPN.	USPAT	ADJ	ON	2007/03/30 13:02
S25	0	S18 AND isoparaffin\$3 AND (banchcd near4 olefin\$2)	US-PGPUB; USPAT	ADJ	ON	2007/03/30 13:46
S26	0	S18 AND isoparaffin\$3 AND (banchcd NEAR4 olefin\$2)	US-PGPUB; USPAT	ADJ	ON	2007/03/30 13:46
S27	0	S18 AND isoparaffin\$3 AND (banchcd WITH olefin\$2)	US-PGPUB; USPAT	ADJ	ON	2007/03/30 13:46
S28	140	S18 AND isoparaffin\$3 AND olefin\$2	US-PGPUB; USPAT	ADJ	ON	2007/03/30 13:51
S29	149	S18 AND (branch\$4 WITH olefin\$2)	US-PGPUB; USPAT	ADJ	ON	2007/03/30 13:58
S30	104	S18 AND (branch\$4 ADJ5 olefin\$2)	US-PGPUB; USPAT	ADJ	ON	2007/03/30 13:59
S31	97	S18 AND (branch\$4 ADJ3 olefin\$2)	US-PGPUB; USPAT	ADJ	ON	2007/03/30 15:27
S32	5009	(branch\$4 ADJ3 olefin\$2) NOT S19	US-PGPUB; USPAT	ADJ	ON	2007/03/30 15:27

## EAST Search History

S33	331	isoParaffin\$4 AND (branch\$4 ADJ3 olefin\$2) NOT S19	US-PGPUB; USPAT	ADJ	ON	2007/03/30 15:29
S34	33	isoParaffin\$4 AND (branch\$4 ADJ3 olefin\$2.ab.) NOT S19	US-PGPUB; USPAT	ADJ	ON	2007/03/30 15:29
S35	4	(WO-9701521-\$ OR WO-9954277-\$).did.	EPO; DERWENT	ADJ	ON	2007/04/02 07:55
S36	4	(WO-9905084-\$ OR WO-9905082-\$).did.	EPO; DERWENT	ADJ	ON	2007/04/02 08:31
S37	1	"6747165"	EPO; DERWENT	ADJ	ON	2007/04/02 08:31
S38	5	"6747165"	US-PGPUB; USPAT	ADJ	ON	2007/04/02 13:44
S39	616	(510/155 OR 558/41 OR 568/910.5 OR 562/32).ccls.	US-PGPUB; USPAT	ADJ	ON	2007/12/26 13:23
S40	92	(510/155 OR 558/41 OR 568/910.5 OR 562/32).ccls. AND olefin\$2 AND \$4paraffin\$3	US-PGPUB; USPAT	ADJ	ON	2007/04/02 08:52
S41	50	(585/310,324,654,660,661).ccls. AND paraffin isomerization	US-PGPUB; USPAT	ADJ	ON	2007/04/02 09:55
S42	51	(585/310,324,654,660,661).ccls. AND paraffin \$5isomerization	US-PGPUB; USPAT	ADJ	ON	2007/04/02 09:57
S43	48	(585/310,324,654,660,661).ccls. AND paraffin \$5isomerization AND \$3olefin\$4	US-PGPUB; USPAT	ADJ	ON	2007/12/26 12:41
S44	0	(510/155 OR 558/41 OR 568/910.5 OR 562/32).ccls. AND paraffin\$3 isomerization\$2	US-PGPUB; USPAT	ADJ	ON	2007/04/02 10:02
S45	0	(510/155 OR 558/41 OR 568/910.5 OR 562/32).ccls. AND paraffin\$3 \$5isomeriz\$5	US-PGPUB; USPAT	ADJ	ON	2007/04/02 10:02
S46	1	"10789115"	US-PGPUB; USPAT	ADJ	ON	2007/04/02 16:46
S47	5	"6747165"	US-PGPUB; USPAT	ADJ	ON	2007/04/02 13:44

## EAST Search History

S48	37	(US-20020111521-\$ or US-20020004624-\$ or US-20020193649-\$ or US-20020183580-\$).did. or (US-5250718-\$ or US-3681424-\$ or US-6441263-\$ or US-6187981-\$ or US-5639926-\$ or US-4430517-\$ or US-3755146-\$ or US-3562797-\$ or US-5866748-\$ or US-5833839-\$ or US-5510306-\$ or US-3709817-\$ or US-5012021-\$ or US-6175048-\$ or US-5837127-\$ or US-5711919-\$ or US-6121505-\$ or US-5476982-\$ or US-5382741-\$ or US-5336829-\$ or US-5321192-\$ or US-5306858-\$ or US-5254748-\$ or US-5113023-\$ or US-4523045-\$ or US-4433190-\$). did. or (US-3917540-\$ or US-4133842-\$ or US-3681442-\$ or US-6049017-\$ or US-5093540-\$). did. or (WO-9701521-\$ or WO-9905082-\$).did.	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/02 13:45
S49	36	(US-20020111521-\$ or US-20020004624-\$ or US-20020193649-\$ or US-20020183580-\$).did. or (US-5250718-\$ or US-3681424-\$ or US-6441263-\$ or US-6187981-\$ or US-5639926-\$ or US-4430517-\$ or US-3755146-\$ or US-3562797-\$ or US-5866748-\$ or US-5833839-\$ or US-5510306-\$ or US-3709817-\$ or US-5012021-\$ or US-6175048-\$ or US-5837127-\$ or US-5711919-\$ or US-6121505-\$ or US-5476982-\$ or US-5382741-\$ or US-5336829-\$ or US-5321192-\$ or US-5306858-\$ or US-5254748-\$ or US-5113023-\$ or US-4523045-\$ or US-4433190-\$). did. or (US-3917540-\$ or US-4133842-\$ or US-3681442-\$ or US-6049017-\$ or US-5093540-\$). did. or (WO-9701521-\$ or WO-9905082-\$).did. AND zeolite	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/02 13:57

## EAST Search History

S50	35	(US-20020111521-\$ or US-20020004624-\$ or US-20020193649-\$ or US-20020183580-\$).did. or (US-5250718-\$ or US-3681424-\$ or US-6441263-\$ or US-6187981-\$ or US-5639926-\$ or US-4430517-\$ or US-3755146-\$ or US-3562797-\$ or US-5866748-\$ or US-5833839-\$ or US-5510306-\$ or US-3709817-\$ or US-5012021-\$ or US-6175048-\$ or US-5837127-\$ or US-5711919-\$ or US-6121505-\$ or US-5476982-\$ or US-5382741-\$ or US-5336829-\$ or US-5321192-\$ or US-5306858-\$ or US-5254748-\$ or US-5113023-\$ or US-4523045-\$ or US-4433190-\$). did. or (US-3917540-\$ or US-4133842-\$ or US-3681442-\$ or US-6049017-\$ or US-5093540-\$). did. or (WO-9701521-\$ or WO-9905082-\$).did. AND gamma	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/02 13:59
S51	35	(US-20020111521-\$ or US-20020004624-\$ or US-20020193649-\$ or US-20020183580-\$).did. or (US-5250718-\$ or US-3681424-\$ or US-6441263-\$ or US-6187981-\$ or US-5639926-\$ or US-4430517-\$ or US-3755146-\$ or US-3562797-\$ or US-5866748-\$ or US-5833839-\$ or US-5510306-\$ or US-3709817-\$ or US-5012021-\$ or US-6175048-\$ or US-5837127-\$ or US-5711919-\$ or US-6121505-\$ or US-5476982-\$ or US-5382741-\$ or US-5336829-\$ or US-5321192-\$ or US-5306858-\$ or US-5254748-\$ or US-5113023-\$ or US-4523045-\$ or US-4433190-\$). did. or (US-3917540-\$ or US-4133842-\$ or US-3681442-\$ or US-6049017-\$ or US-5093540-\$). did. or (WO-9701521-\$ or WO-9905082-\$).did. AND (gamma)	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/02 14:03

## EAST Search History

S52	35	(US-20020111521-\$ or US-20020004624-\$ or US-20020193649-\$ or US-20020183580-\$).did. or (US-5250718-\$ or US-3681424-\$ or US-6441263-\$ or US-6187981-\$ or US-5639926-\$ or US-4430517-\$ or US-3755146-\$ or US-3562797-\$ or US-5866748-\$ or US-5833839-\$ or US-5510306-\$ or US-3709817-\$ or US-5012021-\$ or US-6175048-\$ or US-5837127-\$ or US-5711919-\$ or US-6121505-\$ or US-5476982-\$ or US-5382741-\$ or US-5336829-\$ or US-5321192-\$ or US-5306858-\$ or US-5254748-\$ or US-5113023-\$ or US-4523045-\$ or US-4433190-\$). did. or (US-3917540-\$ or US-4133842-\$ or US-3681442-\$ or US-6049017-\$ or US-5093540-\$). did. or (WO-9701521-\$ or WO-9905082-\$).did. AND lithium	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/02 14:04
S53	35	(US-20020111521-\$ or US-20020004624-\$ or US-20020193649-\$ or US-20020183580-\$).did. or (US-5250718-\$ or US-3681424-\$ or US-6441263-\$ or US-6187981-\$ or US-5639926-\$ or US-4430517-\$ or US-3755146-\$ or US-3562797-\$ or US-5866748-\$ or US-5833839-\$ or US-5510306-\$ or US-3709817-\$ or US-5012021-\$ or US-6175048-\$ or US-5837127-\$ or US-5711919-\$ or US-6121505-\$ or US-5476982-\$ or US-5382741-\$ or US-5336829-\$ or US-5321192-\$ or US-5306858-\$ or US-5254748-\$ or US-5113023-\$ or US-4523045-\$ or US-4433190-\$). did. or (US-3917540-\$ or US-4133842-\$ or US-3681442-\$ or US-6049017-\$ or US-5093540-\$). did. or (WO-9701521-\$ or WO-9905082-\$).did. AND isoparaffin	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/02 14:14
S54	25	"6187981"	US-PGPUB; USPAT	ADJ	ON	2007/04/02 16:46

## EAST Search History

S55	8	((US-20020111521-\$ or US-20020193649-\$ or US-20020004624-\$ or US-20020183580-\$).did. or (US-5382741-\$ or US-3917540-\$ or US-3755146-\$ or US-4430517-\$ or US-4133842-\$ or US-5336829-\$ or US-3709817-\$ or US-5012021-\$ or US-3562797-\$ or US-5093540-\$ or US-5510306-\$ or US-5833839-\$ or US-5866748-\$ or US-6049017-\$ or US-5476982-\$ or US-3681442-\$ or US-4523045-\$ or US-6187981-\$ or US-4433190-\$ or US-6175048-\$ or US-5113023-\$ or US-6441263-\$ or US-5254748-\$ or US-5837127-\$ or US-6121505-\$ or US-5639926-\$). did. or (US-5711919-\$ or US-5250718-\$ or US-5306858-\$ or US-3681424-\$ or US-5321192-\$). did. or (WO-9905082-\$ or WO-9701521-\$).did.) AND fischer	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/10 09:44
S56	2	((US-20020111521-\$ or US-20020193649-\$ or US-20020004624-\$ or US-20020183580-\$).did. or (US-5382741-\$ or US-3917540-\$ or US-3755146-\$ or US-4430517-\$ or US-4133842-\$ or US-5336829-\$ or US-3709817-\$ or US-5012021-\$ or US-3562797-\$ or US-5093540-\$ or US-5510306-\$ or US-5833839-\$ or US-5866748-\$ or US-6049017-\$ or US-5476982-\$ or US-3681442-\$ or US-4523045-\$ or US-6187981-\$ or US-4433190-\$ or US-6175048-\$ or US-5113023-\$ or US-6441263-\$ or US-5254748-\$ or US-5837127-\$ or US-6121505-\$ or US-5639926-\$). did. or (US-5711919-\$ or US-5250718-\$ or US-5306858-\$ or US-3681424-\$ or US-5321192-\$). did. or (WO-9905082-\$ or WO-9701521-\$).did.) AND ethylene oligomerization	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/10 09:02

## EAST Search History

S57	15	((US-20020111521-\$ or US-20020193649-\$ or US-20020004624-\$ or US-20020183580-\$).did. or (US-5382741-\$ or US-3917540-\$ or US-3755146-\$ or US-4430517-\$ or US-4133842-\$ or US-5336829-\$ or US-3709817-\$ or US-5012021-\$ or US-3562797-\$ or US-5093540-\$ or US-5510306-\$ or US-5833839-\$ or US-5866748-\$ or US-6049017-\$ or US-5476982-\$ or US-3681442-\$ or US-4523045-\$ or US-6187981-\$ or US-4433190-\$ or US-6175048-\$ or US-5113023-\$ or US-6441263-\$ or US-5254748-\$ or US-5837127-\$ or US-6121505-\$ or US-5639926-\$). did. or (US-5711919-\$ or US-5250718-\$ or US-5306858-\$ or US-3681424-\$ or US-5321192-\$). did. or (WO-9905082-\$ or WO-9701521-\$).did.) AND (catalyst near4 coke)	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/10 09:46
S58	2	((US-20020111521-\$ or US-20020193649-\$ or US-20020004624-\$ or US-20020183580-\$).did. or (US-5382741-\$ or US-3917540-\$ or US-3755146-\$ or US-4430517-\$ or US-4133842-\$ or US-5336829-\$ or US-3709817-\$ or US-5012021-\$ or US-3562797-\$ or US-5093540-\$ or US-5510306-\$ or US-5833839-\$ or US-5866748-\$ or US-6049017-\$ or US-5476982-\$ or US-3681442-\$ or US-4523045-\$ or US-6187981-\$ or US-4433190-\$ or US-6175048-\$ or US-5113023-\$ or US-6441263-\$ or US-5254748-\$ or US-5837127-\$ or US-6121505-\$ or US-5639926-\$). did. or (US-5711919-\$ or US-5250718-\$ or US-5306858-\$ or US-3681424-\$ or US-5321192-\$). did. or (WO-9905082-\$ or WO-9701521-\$).did.) AND (catalyst near4 porous support)	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/10 09:47



## EAST Search History

S59	0	((US-20020111521-\$ or US-20020193649-\$ or US-20020004624-\$ or US-20020183580-\$).did. or (US-5382741-\$ or US-3917540-\$ or US-3755146-\$ or US-4430517-\$ or US-4133842-\$ or US-5336829-\$ or US-3709817-\$ or US-5012021-\$ or US-3562797-\$ or US-5093540-\$ or US-5510306-\$ or US-5833839-\$ or US-5866748-\$ or US-6049017-\$ or US-5476982-\$ or US-3681442-\$ or US-4523045-\$ or US-6187981-\$ or US-4433190-\$ or US-6175048-\$ or US-5113023-\$ or US-6441263-\$ or US-5254748-\$ or US-5837127-\$ or US-6121505-\$ or US-5639926-\$). did. or (US-5711919-\$ or US-5250718-\$ or US-5306858-\$ or US-3681424-\$ or US-5321192-\$). did. or (WO-9905082-\$ or WO-9701521-\$).did.) AND (catalyst near4 (carbon near\$4 silicates))	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/10 09:49
S60	6	((US-20020111521-\$ or US-20020193649-\$ or US-20020004624-\$ or US-20020183580-\$).did. or (US-5382741-\$ or US-3917540-\$ or US-3755146-\$ or US-4430517-\$ or US-4133842-\$ or US-5336829-\$ or US-3709817-\$ or US-5012021-\$ or US-3562797-\$ or US-5093540-\$ or US-5510306-\$ or US-5833839-\$ or US-5866748-\$ or US-6049017-\$ or US-5476982-\$ or US-3681442-\$ or US-4523045-\$ or US-6187981-\$ or US-4433190-\$ or US-6175048-\$ or US-5113023-\$ or US-6441263-\$ or US-5254748-\$ or US-5837127-\$ or US-6121505-\$ or US-5639926-\$). did. or (US-5711919-\$ or US-5250718-\$ or US-5306858-\$ or US-3681424-\$ or US-5321192-\$). did. or (WO-9905082-\$ or WO-9701521-\$).did.) AND (catalyst near4 carbon)	US-PGPUB; USPAT; EPO	ADJ	ON	2007/04/10 09:49